

Dynamic and results-oriented technology leader with extensive experience navigating complex tech environments, implementing industry-leading practices, and crafting proactive strategies to meet business objectives. Proven ability to drive digital transformation, optimize platform architectures, and deliver high-quality, client-focused solutions across capital markets, investment platforms, and data engineering. Recognized for strong leadership, coaching skills, and commitment to continuous learning, with a philosophy of "Stay Hungry, Stay Foolish." Passionate about maintaining a healthy lifestyle and staying fit beyond professional endeavors.

CORE COMPETENCIES

➤ Software Engineering	➤ Data Engineering	➤ Agile Product Development
➤ Solution Architecture	➤ Data Analytics	➤ Multi-level Stakeholder Management
➤ Digital Transformation	➤ Data Modelling	➤ Strategic Planning
➤ Cloud Migrations	➤ Large Scale Distributed Systems	➤ Leadership, Coaching & Mentoring

CAREER TIMELINES



TECHNICAL SKILLS

Delivery Management Cloud/On-Prem	SDLC, Agile, Scrum Tools (Jira, Confluence, PPT, Xlsx) IaaS, PaaS, AWS (S3, Storage Gateway, EFS, Lambda, API Gateway, NLB, EMR), Terraform, SaaS (Quantum, Apex), Reverse Proxy, LB.
Architecture Pattern	Microservices, Event Sourcing, CQRS, SAGA, SOA, ETL, Event Mesh, Data Mesh, Multi-threading, Multitasking, Async/Concurrent Processing, Security (PGP, SSO, Cognito, Vault, Prisma Cloud)
Integration Tech Stack Data Pipeline	Event Bus/Messaging (Kafka, AMPS, SQS, SNS, MQ), JSON, XML, REST, OpenAPI Flutter, Go, Python (Flask, Django), Java (core, SpringBoot), C++, SQL, Linux (WSL), Nginx, OpenAI AWS (Redshift, DataSync, DMS, Airflow, EMR, StepFunctions), NoSQL (DynamoDB, Redis, Cassandra, Json), Time-Series (Pandas, Numpy, PySpark), Graph (QuartzSandraDB), RDBMS (Oracle, PostgreSQL)
CI/CD & Observability Domain Expertise	DevOps, Git, GitHub Actions, Docker, ELK Logstash, Fluentd, Filebeat, SonarQube, PyTest, LogMatrix Capital Markets, Cash Management (FIS Quantum), Collateral and Margin Management (FIS Apex), Investable Indices, Analytics (time-series, tick data from Bloomberg & Reuters), F&O Clearing and Settlement, Regulatory Risk Reporting, SWAP and SBL Short Optimization (Traiana PB Cross)

EDUCATION & CERTIFICATIONS

- Google Advanced Data Analytics | Google | 2023
- AWS Data Analytics Specialist | Udemy | 2023
- AWS Certified Solutions Architect – Associate | AWS | 2022
- Certification in Data Science and Machine Learning | Great Learning | 2017
- Certified Financial Risk Manager (FRM) | Global Association of Risk Professionals (GARP) | 2016
- Certified National Capital Market Professional | National Stock Exchange of India (NSE) | 2013
- Bachelor of Engineering in Computer Science | Dnyaneshwar J. Sonabhi College of Engineering | 2009

- **Drove Platform Growth:** Achieved a 450% increase in average daily traded orders, a 150% rise in traded clients, and secured market leadership in MTF (3rd) and commodities (MCX & NSE) through platform optimization and feature enhancements.
- **Streamlined Delivery:** Improved POD efficiency to ensure timely, high-quality delivery of platform features, enhancing user experience and satisfaction.

Engineering Manager, CPP Investments, Mumbai | Dec 2021 - Dec 2023 | Reporting to Managing Director (Site Lead)

Public Markets (Trade Analytics, Treasury Ops) | CMO, Traders, Portfolio Managers, Analysts | Team: 10 (diverse) + 10 (vendor team)

- **Digital Transformation & Agile Transition:** Boosted project completion rates by 20% and implemented an agile, on-demand release cycle. Automated QE to increase test coverage from 10% to 80%.
- **Tech Strategy & Mentorship:** Directed tech prioritization, stack selection, architecture, and team mentorship.
- **Data Efficiency Improvements:** Built cloud-based data pipeline adapters for collateral & cash, enhancing efficiency by 45%.
- **Cost Savings & Debt Reduction:** Reduced technical debt, optimizing \$20B CAD in swap balances, saving \$20M and 860 annual hours for the trading team.
- **Cloud Migration & Performance Gains:** Migrated 500+ TB of OneTick data to the cloud, improving query latency by 70%, saving \$200k in hardware, and reducing data costs by \$700k.

Senior Software Engineer III, Bank of America, Mumbai | Sep 2017 - Dec 2021 | Reporting to Engineering Manager

Equity Linked Technology, Investable Indices | Quants, Traders | Team: 13 (developers)

- **Platform for Index Lifecycle:** Founding member in building a resilient platform managing investable index lifecycles.
- **Architecture Leadership:** Co-led development of a platform with 50+ stateless microservices and multi-threaded event processors, supporting 100k+ daily requests.
- **Implemented event mesh, event sourcing, CQRS, and SAGA patterns for efficient and reliable microservice orchestration.**
- **Scalable Index Expansion:** Grew platform capacity from 4 to 400+ complex indices, handling 120k+ market data requests daily, enabling innovative index-based investment strategies.
- **Cost Reduction:** Cut market data costs by \$350 million over four years through optimized caching and alternative sourcing.
- **Automation:** Developed a self-service analytics tool for traders using REST, saving 1 FTE and improving middle office reconciliation.

Consultant, Solution Architect, NRI FT, Mumbai | Jul 2015 - Aug 2017 | Reporting to Managing Director (Site Lead)

Deutsche Bank (DB), Financing Team | Sponsor, Financial Analysts | Team: 6 (developers)

- **Transitioned back to software development in a rapidly growing startup tech consulting firm, engaging directly with sponsors.**
- **Built Decoupled Market Data Solution:** Designed a modular system for data enrichment, processing, analytics, and reporting.
- **Enhanced Operational Efficiency:** Boosted efficiency by 90% through automation, enabling direct access to processed market data.

Consultant, Business Analyst, Cognizant, Mumbai | Mar 2013 - Jul 2015 | Reporting to BFSI Delivery Manager

Credit Suisse, Global Market Risk Reporting | Chief Risk Officer, Risk Analysts | Team: 10 (risk analysts)

- **Directed tech-focused product improvements for CROs, serving as the technology liaison.**
- **Enabled agile development, fostered cross-team collaboration, and provided project reporting to CROs.**
- **Implemented effective strategies, reducing system breaches by 20% and optimizing data quality operations.**

System Analyst | NSE Infotech, Mumbai | Dec 2009 - Mar 2013 | Reporting to Project Lead

F&O Clearing and Settlement (NSCCL & NSEIL) | Traders, Clearing Managers | Team: 5 (system analysts) + 10 (vendor developers)

- **Directed hands-on software development, prioritizing clean coding, change management, and business continuity.**
- **Trade Processing Optimization:** Improved query efficiency for 30M trades in post-trade processing.
- **Cost-Effective Automation:** Achieved \$50k+ in annual savings by reducing 1.2 FTEs through automation.
- **Product Innovation Enablement:** Built solutions for new products like Options on T-Bills and Foreign Indices.